

GB6181

Unrivalled HGX H100 8-GPU AI Server to Deliver Highest AI Performance



Unrivalled HGX H100 8-GPU AI Server

Integrating a NVIDIA HGX baseboard with 8 H100 GPUs, the AI server brings together the full power of accelerated NVIDIA GPUs, liquid cooling technology, and high-speed PCIe Gen5 connectivity to bring breakthrough performance for the next generation of AI-enabled applications.

Application

- Generative AI
- Large Language Model (LLM)
- AI and Machine Learning
- High Performance Computing

Innovative Disaggregated Approach

The AI server can be directly connected to a single CPU head node server, creating a powerful and unified AI solution. This disaggregated GPU and CPU approach enhances flexibility, enabling you to select the CPU head node server that best suits your needs. (Ingrasys head node solution: SV2121A/SV2121I)

Rack-Integrated Liquid Cooling Solution

The 6U server, compliant with Open Rack Spec v3, incorporates liquid cooling technology to provide high-performance computing capabilities that generative AI and HPC demand while minimizing energy consumption for a reduced environmental footprint and lower carbon emissions.



NVIDIA HGX
H100 8-GPU



32 x U.2 NVMe
Drive Bays



Up to 20 PCIe 5.0
x16 Slots



Liquid Cooling
Solution



6 OU Rackmount

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Specifications



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Supported GPU

NVIDIA HGX H100 8-GPU



Expansion Slots

20 x PCIe 5.0 x16 Slots



Storage

32 x Hot-swap U.2 NVMe Drive Bays



Front Panel

1 x Power LED, 1 x UID LED, 1 x Attention LED,
1 x RJ45 for BMC Dedicated Management
2 x RJ45 for 1GbE Ethernet



Form Factor

6 OU Rackmount
(3 OU IOB Sled with 3 OU GPU Sled)



Chassis Dimensions (H x W x D)

11.1" x 21.0" x 34.1" /
283.1mm x 535.0mm x 867.5mm



Management

1 x ASPEED AST2600



Power Supply

Centralized 48V Bus Bar with PDB



Fans

16 x 60*56mm for N+1 Cooling
Redundancy



Cooling Solution

Liquid Cooling Solution



Certification

CE/FCC/RCM/BSMI/UL/
IECEE CB



Operating Temperature

10°C to 35°C (50°F to 95°F)



Non-operating Temperature

-40°C to 60°C (-40°F to 140°F)



Operating Relative Humidity

8% to 85%RH



Non-operating Relative Humidity

5% to 95%RH



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